/35/
C 712 were built for defense. At such places as Huang-lo-chai and Shui-ta-t'ien in the sub-prefecture large paos were erected. In thinly populated and topographically restricted areas, t'uns were built, which communicated with each other for mutual defense. A t'un is built according to the requirements of the place, varying from several chang to more than ten chang in width, and from ten to 30 chang in length. The foundation of a t'un is laid with two or three ch'ih of rough stones, on which are added two layers of bricks about four or five ch'ih in height; and then the crenulated wall with apertures for observation and firing guns is put. Each t'un accommodates a few dozen men. Animals and grains are also sheltered in it." There C 361 712 are two kinds of paos, the stone and the earth paos. A small pao is oval in shape, a street runs through the center, bordered by residential dwellings, with two pao gates at the two ends of the street. A big pao is round in shape with three or four pao gates (Illus. 9), and the streets within are often in the shape of a cross.

C [342] Besides the paos and the t'uns in the Miao area there are many stone houses /tiao/. Formerly in the areas around these stone houses t'un soldiers were posted to keep watch. Today, such areas have become little settlements, as in Illus. 10. These are villages near the stone houses. The Chinese also settled at important communication points leading to bridges. C [491 443] They even built houses on bridges, forming bridge streets, such as shown in Illus. 11. Some markets also have appeared at ferry points along the rivers. Chinese settlements are distributed mostly along communication lines and garrison points so that in case of alarm they can come to each other's aid.

M 361 [712 363] The Miao settlement is called "chai" (Illus. 12, 13), built generally against a mountainside or along a river, without any uniform appearance. The chai wall is made of earth or stone slabs, and there is no definite number of gates. The streets of a chai zigzag up and down, with tiny alleys on both sides. In each alley there are a few families. The alleys are

8: Graham E-5 (1921-1936) 1937 AE5 Miao AE5

241 412 handle. The harrow is made of thick boards or beams through which iron spikes are driven. The hoe, pick or mattock has a long wooden handle and only one point. The sickle used for reaping has a short wooden handle and a curved iron blade. Rice is threshed by holding a bunch of the rice straw in the hands and beating the heads on the inside of a large wooden box into which the grain falls until all the grain is beaten off the stalks. Wheat and oats are threshed by means of flails by men or women who strike the grain in succession. The plow can be used in the rice paddies and on other level fields but much of the land is so steep that it can be cultivated only by means of the hoe. Some of the land is so steep that it [311] cannot be cultivated. This is a valuable source of supply for firewood, lumber and medicinal herbs and is useful as pastureland.

342 The houses are built like those of the Chinese. The roofs are made of straw or of reeds or more rarely of tile. The walls may be of beaten clay, of cornstalks tied together, of bamboo strips woven together and plastered with clay, and this possibly whitewashed, or of lumber. The simplest houses are oblong, consisting of one or two rooms. Sometimes there are no windows in the smallest and simplest houses and only one or two doors. As the houses vary in size and complexity, they may be oblong or triangular and consisting of two sections at right angles to each other, or of three sections with two parallel sides and a third section joining them across their ends or they may have four sides enclosing an open court or "heavenly well." There is only one story but sometimes there is a loft with or without windows.[6]

Some people live in natural caves. They are the poorest folk who cannot afford to make or to purchase homes. The legends indicate that in the past cave-dwelling was much more common than it is to-day. In times of war or when brigands approach, many families move into caves which serve as strongholds until the danger is past. Only natural caves are used in this way but many of them have been artificially improved so that they are almost impregnable.

• 762 There were formerly many fortified places called in Chinese *chai tzŭ* 寨子 where groups of houses were clustered together for protection. This is indicated by the names of places such as Wang Wu Chai 王武寨 and by the frequent references to fortified places in the legends. To-day there

6. People do not sleep in the loft. There they store their rice, corn, beans and other grains and baskets, rain hats and tools. In the poorer homes the windows are small square holes with vertical slats of wood or bamboo to keep out birds, animals and people. The best houses have wooden lattice windows made by Chinese carpenters.

8: Graham E-5 (1921-1936) 1937 AE5 Miao AE5

are none to be found. One explanation given by Ch'uan Miao friends is that the danger of fire was too great so that people no longer built their houses so close together. There are two other possible reasons. One is that the Chinese destroyed the strongholds in war and to prevent future rebellions, and the other is that there is no longer danger of raids and attacks from the Lolos. Chinese histories actually mention the destruction of the strongholds.[7]

There is an old custom that is not always practised according to which when a family moves an iron cooking vessel is buried near the old home as a means of commemorating it. Another old custom now no longer practised is that when a person died in a house the house was destroyed and the family moved to another spot and built a new home.

Hunting is a pastime engaged in by the men and boys when game is plentiful, in winter when there is less farm work to do and during the New Year holidays. Sometimes one person goes hunting alone, sometimes two or three men go out into the woods together and at other times a larger number make up a hunting party. In such a party some of the men guard the paths where the animals are likely to come out and others with dogs go towards them through the woods shouting and driving the animals towards their waiting companions. Formerly traps were set, snares were used, and pits were dug, but since the coming of firearms these have fallen into disuse. Bows and arrows and crossbows have almost but not entirely disappeared. The arrows are sometimes poisoned in which case they cause death within a short time.

It has already been noted that some Ch'uan Miao, in addition to being farmers, are also when occasion requires carpenters, blacksmiths or masons. A smaller number work in brass or silver, but the best work in all these trades is done by Chinese.

Both men and women work in the fields, using the hoe and the sickle, but only men use the plow. It is believed to be sinful for a woman to plow, for a cow or a water-buffalo is a worthy beast and woman is inferior, and if she does use the plow the animal she uses will accuse her of sin after she dies and goes to heaven. Both men and women carry loads on their backs or on carrying poles. Women generally carry water, make yarn from wool, make string from hemp shreds, do most of the sewing, cooking and weaving and do all the embroidery work, leaving the larger share of the farm work to the men. It is therefore customary to speak of one's mother as the old lady inside the house and of one's father as the old man outside the house.

7. This is mentioned in the history of the Prefecture of Suifu, 叙州府志

/263 cont./

361 an influential person. Usually, the houses are distributed over the area singly or in pairs." Abadie (2) reports similarly.

2. Page 158.

The villages of the Meau in Thailand always lie along the upper course of headwater streams and are usually named after them. To make clear my findings concerning the manner of settlement and house construction of the Meau I am reproducing [103] (Ill. 108 and Fig. 57) a site plan of the village of Nam Fa (Nam = water, brook, in Thai; Fa = name of the brook).

The village lies on a mountain slope dropping off rather steeply from east to west, which changes into merely a gently sloping plain where a kind of village square has formed. The space in front of the chief's house represents the center of the village. Feasts and dances are held here, the villagers meet here, guests from the neighboring villages stop here. The latter [628] [574] are often several days' journey apart; each village therefore represents a self-sufficient community. Nevertheless, during the dry season, visits are made frequently and with pleasure.

All around the village the large trees are cut; it stands [134] on bare loam which, after a heavy rain, turns into a sticky bog in places where it is not steep enough. Behind the houses [241] [351] there are small fields and gardens with all kinds of tubers and vegetables, sugar cane, gourds, bananas, and poppies. They are not fenced in and look more like the adjacent dense primeval forest than like planned gardens.

312 Every village is connected by a water line with a nearby source. The water of the source stream pouring down a steep incline is conducted to a trough by means of halved bamboo poles which rest upon forked posts about two meters high and whose partitioning walls have been removed (Fig. 58). /264/ /Fig. 57 appears here./ /265/

361 712 We did not come across any fortified villages among the Meau in Thailand. They had neither gates nor fences, nor definite entrance signs. /Fig. 58 appears here./

[See cat 116, P707- ANALYST]